



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



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Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Construction
March 8, 2018

His Excellency, Governor Christopher T. Sununu
and the Honorable Council
State House
Concord, New Hampshire 03301

REQUESTED ACTION

Authorize the Department of Transportation to enter into a contract with Continental Paving, Inc. (Vendor 155350) of Londonderry, NH on the basis of a low bid of \$4,594,198.90 resurfacing of approximately 27.6 lane miles along I-293 in Manchester and Merrimack on the F.E. Everett Turnpike, as well as construction of an emergency access to Manchester Community College (MCC) and lighting removal or conversion to LED at Exits 10 and 11 in Merrimack, from the date of Governor and Council approval through September 28, 2018 unless extended by the Department in accordance with the Standard Specifications. 100% Turnpike funds.

Funding is available in State Fiscal Year 2018 and 2019 as follows, with the ability to adjust encumbrances through the Budget Office between State Fiscal Years if needed and justified:

Table with 3 columns: Funding description, FY 2018, and FY 2019. Row 1: 04-96-96-961017-7025 Turnpike Renewal & Replacement. Row 2: 400-500870 Highway Contract Payments. Values: \$500,000.00 and \$4,094,198.90.

EXPLANATION

This project is included in the State's Ten Year Transportation Improvement Plan and involves annual turnpike resurfacing as part of the Turnpike Renewal and Replacement Program. This project consists of resurfacing of approximately 27.6 lane miles along I-293 in Manchester, Exit 5 & 6 in Manchester and Exits 10 & 11 in Merrimack on the F.E. Everett Turnpike. Resurfacing sections are as follows:

Section 18809: I-293 in Manchester (Night Resurfacing)

- Manchester on I-293 Northbound and southbound barrels from mile marker 5.8 to mile marker 8.7, 1.5 inch overlay with spot inlays.
Manchester on I-293 northbound and southbound barrels from mile marker 8.7 to mile marker 11.9 inlay to a depth of 1.5 inches.
Manchester Exit 5 NB & SB On/Off ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.
Manchester Exit 6 SB Off ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.

Section 18802: F.E. Everett Exit 10 Ramps in Merrimack (Night Resurfacing)

- Exit 10 NB & SB On/Off Ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.

**Section 18803: F.E. Everett Exit 11 Ramps in Merrimack (Night Resurfacing)**

- Exit 11 NB & SB On/Off Ramps; cold plane & repave at depth of 1.5 inches full width of the ramps

**I-293 Emergency Access, Manchester Community College (MCC), Manchester**

- Construct an emergency access to enable emergency response vehicles to enter the MCC campus from I-293 northbound north of Exit 7, using a locked gate.

**Exit 10 and Exit 11 Highway Lighting Removal and Conversion to LED**

- Remove light poles, including foundation and the conductor at Exit 10 and Exit 11 ramps in Merrimack along the FEET. Convert the remaining light fixtures to LED.

The I-293 mainline segments and Exit 5 ramps in Manchester were last paved in 2008-2009. Exit 6 was paved last in 2002. The Exit 10 and 11 ramps in Merrimack were last paved in 2006-2007. Due to the age of the pavement and high volume of traffic, these segments are experiencing transverse and longitudinal cracking with spot locations of delamination. The proposed improvements will extend the life of this asset avoiding more costly reconstruction repair in the future.

The lighting removals at Exits 10 and 11 in Merrimack are consistent with the Department's "Light's Off" initiative and guidelines to reduce expenditures where appropriate. Safety is not compromised as a result of the lighting removals. Conversion of the remaining lights at these interchanges to LED will also result in cost savings.

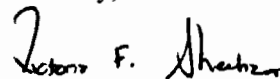
Although the bid costs exceeded the Department's estimate by 8.38%, the low bid of the two bids received is felt to be reasonable for the work involved as there were 2 bids submitted for this project. 77% (\$272k) of the overage is found in 3 items, \$212k pavement, \$60k rumble strips. Re-advertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish these needed repairs.

This project funding is 100% Turnpike Renewal and Replacement Program.

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and the bid reasonably conforms to the engineer's estimate in accordance with State procedure. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



Victoria F. Sheehan  
Commissioner

VFS/md

Department Estimate: \$4,239,107.14  
Contract Amount: \$4,594,198.90  
Over Estimate: \$ 355,091.76

February 2, 2018

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project consists of resurfacing of approximately 27.6 lane miles along I-293 in Manchester, Exit 5 & 6 in Manchester and Exits 10 & 11 in Merrimack on the F.E. Everett Turnpike. Resurfacing sections are as follows:

### **Section 18809: I-293 in Manchester (Night Resurfacing)**

- Manchester on I-293 Northbound and southbound barrels from mile marker 5.8 to mile marker 8.7, 1.5 inch overlay with spot inlays.
- Manchester on I-293 northbound and southbound barrels from mile marker 8.7 to mile marker 11.9 inlay to a depth of 1.5 inches.
- Manchester Exit 5 NB & SB On/Off ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.
- Manchester Exit 6 SB Off ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.

### **Section 18802: F.E. Everett Exit 10 Ramps in Merrimack (Night Resurfacing)**

- Exit 10 NB & SB On/Off Ramps; cold plane & repave at depth of 1.5 inches full width of the ramps.

### **Section 18803: F.E. Everett Exit 11 Ramps in Merrimack (Night Resurfacing)**

- Exit 11 NB & SB On/Off Ramps; cold plane & repave at depth of 1.5 inches full width of the ramps

### **I-293 Emergency Access, Manchester Community College (MCC), Manchester**

- Construct an emergency access to enable emergency response vehicles to enter and exit the MCC campus from I-293 northbound north of Exit 7, using a locked gate.

### **Exit 10 and Exit 11 Highway Lighting Removal**

- Remove light poles, including foundation and the conductor at Exit 10 and Exit 11 ramps in Merrimack along the FEET. Convert the remaining light fixtures to LED.

**FEDERAL FUNDING:** 0% (100% Turnpike “Renewal and Replacement (R&R) Program”)

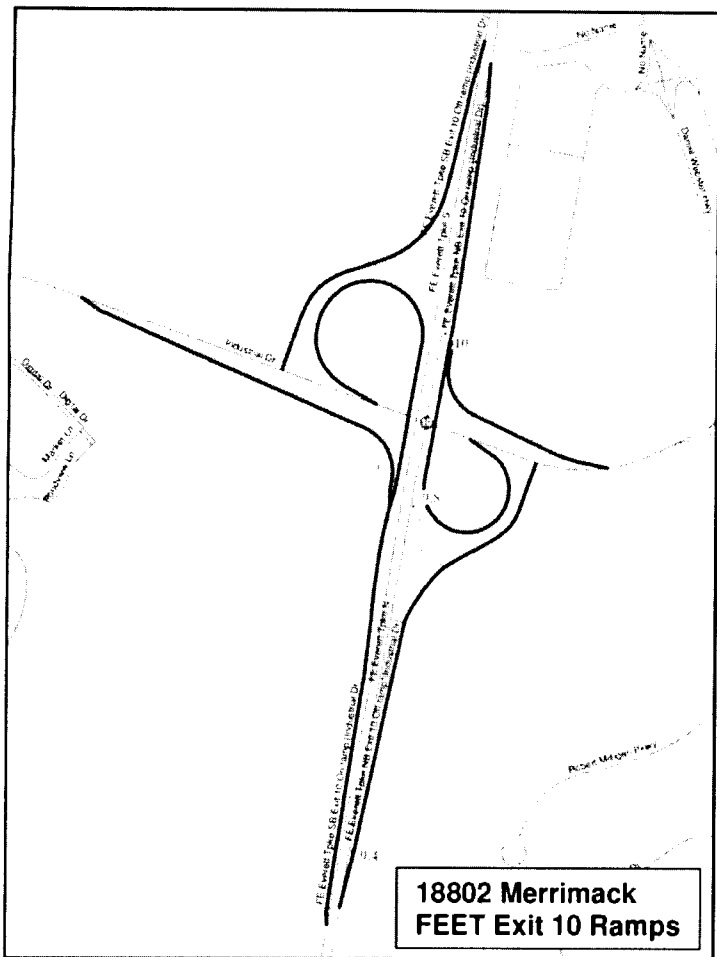
**CONTINGENCY:** No contingency amount is requested

**PROJECT INITIATED:** Pavement preservation program under the “R&R Program”

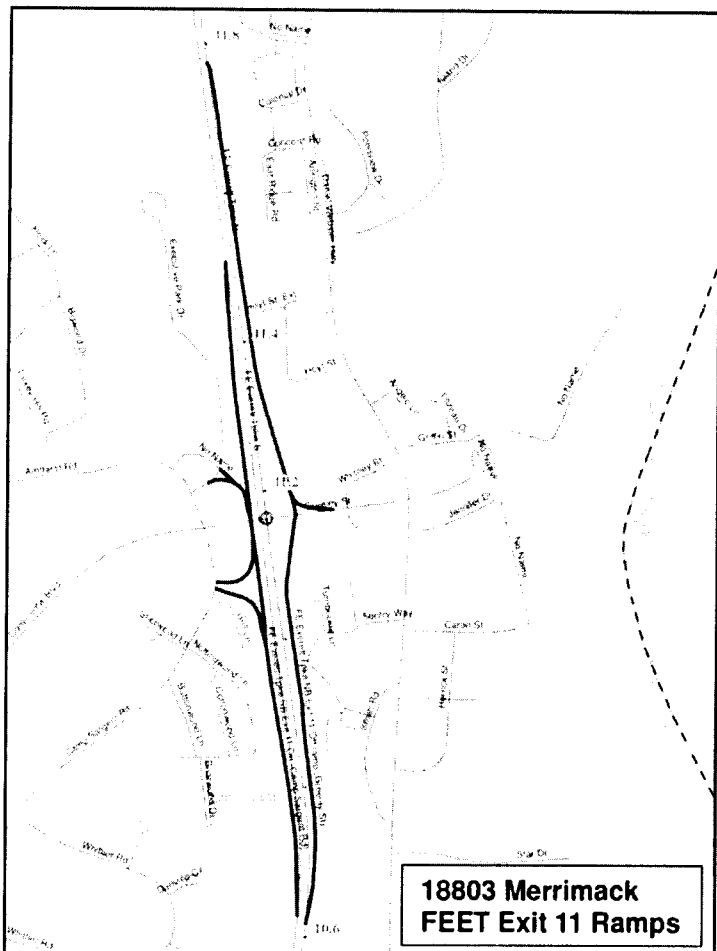
**PROJECT EXPLANATION:** The I-293 mainline segments and Exit 5 ramps in Manchester were last paved in 2008-2009. Exit 6 was paved last in 2002. The Exit 10 and 11 ramps in Merrimack were last paved in 2006-2007. Due to the age of the pavement and high volume of traffic, these segments are experiencing transverse and longitudinal cracking with spot locations of delamination. The proposed improvements will extend the life of this asset avoiding more costly reconstruction repair in the future.

**TRAFFIC IMPLICATIONS:** Resurfacing work will be done at night during off peak timeframes with normal traffic patterns to be re-established prior to AM travel periods for all locations.

**COMPLETION DATE:** September 28, 2018

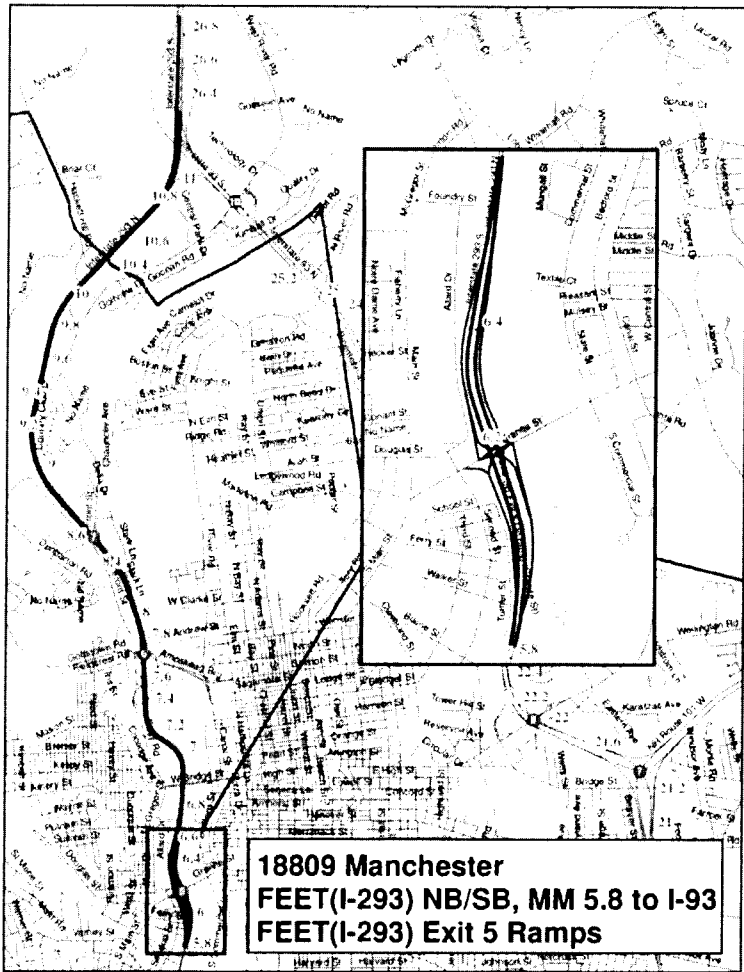


**18802 Merrimack  
FEET Exit 10 Ramps**



**18803 Merrimack  
FEET Exit 11 Ramps**

**Manchester-  
Merrimack 41097**



**18809 Manchester  
FEET(I-293) NB/SB, MM 5.8 to I-93  
FEET(I-293) Exit 5 Ramps**

PROJECT: MANCHESTER-MERRIMACK  
 STATE PROJECT NUMBER: 41097  
 FED. PROJECT NUMBER: NON-FEDERAL  
 DATE BIDS OPEN: February 27, 2018,  
 SCOPE OF WORK: Central Tpk Resurfacing: I-293 mm 5.8-11.4, Exit 5 Ramps Manchester, Exit 10 & 11 Ramps Merrimack  
 COMPLETION DATE: September 28, 2018  
 LOCATION:

Awarded To: CONTINENTAL PAVING INC  
 1 CONTINENTAL DRIVE  
 LONDONDERRY, NH 03053

Amount: \$4,594,198.90  
 Certified by: PETER.E.STAMNAS  
Director of Project Development

Award Date:

Summary of Bidders

Contractor	Bid Amount	Rank
CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE, LONDONDERRY NH 03053 BROX INDUSTRIES, INC. 1471 METHUEN STREET, DRACUT MA 01826	\$4,594,198.90	A
	\$5,261,340.86	B

Item No.	Description	Unit	Quantity	PS&E		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053		BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01828	
				Unit Price	Total	Unit Price	Total	Unit Price	Total

**Items**

202.843	REMOVAL OF LIGHT POLE	U	30.00	\$500.00	\$15,000.00	\$1,000.00	\$30,000.00	\$1,800.00	\$54,000.00
203.1	COMMON EXCAVATION	CY	50.00	\$10.00	\$500.00	\$50.00	\$2,500.00	\$50.00	\$2,500.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$26.50	\$927.50	\$50.00	\$1,750.00	\$80.00	\$2,800.00
203.601	EMBANKMENT-IN-PLACE	CY	175.00	\$23.60	\$4,130.00	\$25.00	\$4,375.00	\$40.00	\$7,000.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.00	\$70.00	\$1,400.00	\$75.00	\$1,500.00	\$75.00	\$1,500.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	3,015.00	\$16.00	\$48,240.00	\$8.00	\$24,120.00	\$35.00	\$105,525.00
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	85.00	\$20.00	\$1,700.00	\$40.00	\$3,400.00	\$75.00	\$6,375.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	160.00	\$95.00	\$15,200.00	\$75.00	\$12,000.00	\$125.00	\$20,000.00
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/OA TIER 1)	TON	24,438.00	\$72.00	\$1,759,536.00	\$75.00	\$1,832,850.00	\$77.00	\$1,881,726.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/OA TIER 2)	TON	7,728.00	\$72.00	\$556,416.00	\$90.00	\$695,520.00	\$77.00	\$595,056.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	100.00	\$120.00	\$12,000.00	\$110.00	\$11,000.00	\$145.00	\$14,500.00
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	32,166.00	\$1.50	\$48,249.00	\$2.00	\$64,332.00	\$2.50	\$80,415.00
403.6	PAVEMENT JOINT ADHESIVE	LF	139,495.00	\$0.22	\$30,688.90	\$0.22	\$30,688.90	\$0.40	\$55,798.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	18,289.40	\$2.50	\$45,673.50	\$3.00	\$54,808.20	\$5.00	\$91,347.00
411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	200.00	\$80.00	\$16,000.00	\$75.00	\$15,000.00	\$77.00	\$15,400.00
417.	COLD PLANING BITUMINOUS SURFACES	SY	313,360.00	\$1.50	\$470,040.00	\$1.50	\$470,040.00	\$2.35	\$736,396.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	119,306.00	\$0.25	\$29,826.50	\$0.25	\$29,826.50	\$0.40	\$47,722.40
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	119,306.00	\$1.25	\$149,132.50	\$1.75	\$208,785.50	\$1.75	\$208,785.50
417.54	REMOVE AND INLAY LONGITUDINAL CRACKS	LF	12,000.00	\$2.65	\$31,800.00	\$3.00	\$36,000.00	\$10.00	\$120,000.00
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	282.00	\$200.00	\$56,400.00	\$110.00	\$31,020.00	\$110.00	\$31,020.00
603.82118	16" PE PIPE (TYPE C)	LF	100.00	\$30.00	\$3,000.00	\$80.00	\$8,000.00	\$95.00	\$9,500.00
604.0007	POLYETHYLENE LINER	EA	50.00	\$110.00	\$5,500.00	\$110.00	\$5,500.00	\$120.00	\$6,000.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	118.00	\$350.00	\$41,300.00	\$350.00	\$41,300.00	\$300.00	\$35,400.00
604.71	GRATES & FRAMES, TYPE A	EA	20.00	\$750.00	\$15,000.00	\$600.00	\$12,000.00	\$700.00	\$14,000.00
608.2401	4" CONCRETE SIDEWALK	SY	100.00	\$50.00	\$5,000.00	\$40.00	\$4,000.00	\$55.00	\$5,500.00
608.2801	6" CONCRETE SIDEWALK	SY	100.00	\$55.00	\$5,500.00	\$50.00	\$5,000.00	\$63.00	\$6,300.00
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	7.00	\$431.43	\$3,020.01	\$425.00	\$2,975.00	\$425.00	\$2,975.00
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	500.00	\$19.50	\$9,750.00	\$20.00	\$10,000.00	\$19.00	\$9,500.00
609.5	RESET GRANITE CURB	LF	2,100.00	\$10.00	\$21,000.00	\$8.00	\$16,800.00	\$8.00	\$16,800.00

Item No.	Description	Unit	Quantity	PS&E		CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053		BROX INDUSTRIES, INC 1471 METHUEN STREET DRACUT, MA 01828	
				Unit Price	Total	Unit Price	Total	Unit Price	Total
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	21.00	\$1,066.67	\$22,400.07	\$950.00	\$19,950.00	\$950.00	\$19,950.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$50,000.00	\$50,000.00	\$75,000.00	\$75,000.00	\$175,000.00	\$175,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,000.00	\$4,000.00	\$2,000.00	\$4,000.00	\$2,100.00	\$4,200.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$1,260.00	\$2,520.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$6,500.00	\$13,000.00	\$5,000.00	\$10,000.00	\$8,500.00	\$17,000.00
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	400.00	\$50.00	\$20,000.00	\$57.00	\$22,800.00	\$65.00	\$26,000.00
625.001	LED RETROFIT	EA	20.00	\$550.00	\$11,000.00	\$700.00	\$14,000.00	\$1,700.00	\$34,000.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	500.00	\$1.00	\$500.00	\$2.00	\$1,000.00	\$3.00	\$1,500.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	194,314.00	\$0.14	\$27,203.96	\$0.15	\$29,147.10	\$0.14	\$27,203.96
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	6,200.00	\$1.25	\$7,750.00	\$1.00	\$6,200.00	\$0.80	\$4,960.00
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	164.00	\$2.50	\$410.00	\$0.85	\$139.40	\$1.50	\$246.00
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	15,766.00	\$2.00	\$31,532.00	\$2.55	\$40,203.30	\$2.00	\$31,532.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	240.00	\$4.91	\$1,178.40	\$3.80	\$912.00	\$6.00	\$1,440.00
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	1,090.00	\$8.26	\$9,003.40	\$5.25	\$5,722.50	\$9.00	\$9,810.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	124.00	\$0.60	\$74.40	\$1.00	\$124.00	\$2.00	\$248.00
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	530.00	\$9.00	\$4,240.00	\$1.15	\$609.50	\$3.00	\$1,590.00
645.811	BONDED FIBER MATRIX (BFM)	LB	500.00	\$1.20	\$600.00	\$2.00	\$1,000.00	\$2.00	\$1,000.00
646.2	TURF ESTABLISHMENT WITHOUT MULCH	A	.10	\$1,100.00	\$110.00	\$5,000.00	\$500.00	\$5,000.00	\$500.00
647.1	HUMUS	CY	20.00	\$43.75	\$875.00	\$50.00	\$1,000.00	\$50.00	\$1,000.00
670.911	MOTORIZED CANTILEVERED SLIDING GATE	U	1.00	\$35,000.00	\$35,000.00	\$53,000.00	\$53,000.00	\$32,000.00	\$32,000.00
692.	MOBILIZATION	U	1.00	\$100,000.00	\$100,000.00	\$145,000.00	\$145,000.00	\$190,000.00	\$190,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$3,000.00	\$3,000.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	48,000.00	\$1.00	\$48,000.00	\$1.00	\$48,000.00	\$1.00	\$48,000.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00
1010.15	FUEL ADJUSTMENT	\$	81,000.00	\$1.00	\$81,000.00	\$1.00	\$81,000.00	\$1.00	\$81,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	145,000.00	\$1.00	\$145,000.00	\$1.00	\$145,000.00	\$1.00	\$145,000.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	115,800.00	\$1.00	\$115,800.00	\$1.00	\$115,800.00	\$1.00	\$115,800.00
Totals:					\$4,239,107.14		\$4,694,188.90		\$5,261,340.86
Alt Totals:									

Item No.	Description	Unit	Quantity	PS&E	CONTINENTAL PAVING INC 1 CONTINENTAL DRIVE LONDONDERRY, NH 03053	BROX INDUSTRIES, INC. 1471 METHUEN STREET DRACUT, MA 01828	
				Unit Price	Total	Unit Price	Total
Totals:					\$4,239,107.14		\$5,261,340.86





# PS&E Comparison

MANCHESTER-MERRIMACK  
41097  
NON-FEDERAL

Item No.	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
202.843	REMOVAL OF LIGHT POLE	U	30.00	\$1,000.00	\$30,000.00	\$500.00	\$15,000.00	\$15,000.00
203.1	COMMON EXCAVATION	CY	50.00	\$50.00	\$2,500.00	\$10.00	\$500.00	\$2,000.00
203.11	COMMON EXCAVATION - LRS	CY	35.00	\$50.00	\$1,750.00	\$26.50	\$927.50	\$822.50
203.601	EMBANKMENT-IN-PLACE	CY	175.00	\$25.00	\$4,375.00	\$23.60	\$4,130.00	\$245.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	20.00	\$75.00	\$1,500.00	\$70.00	\$1,400.00	\$100.00
304.32	CRUSHED GRAVEL FOR SHOULDER LEVELING	TON	3,015.00	\$8.00	\$24,120.00	\$16.00	\$48,240.00	(\$24,120.00)
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	85.00	\$40.00	\$3,400.00	\$20.00	\$1,700.00	\$1,700.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	160.00	\$75.00	\$12,000.00	\$95.00	\$15,200.00	(\$3,200.00)
403.11901	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 1)	TON	24,438.00	\$75.00	\$1,832,850.00	\$72.00	\$1,759,536.00	\$73,314.00
403.11902	HBP - MACHINE METHOD, HIGH STRENGTH (QC/QA TIER 2)	TON	7,728.00	\$90.00	\$695,520.00	\$72.00	\$556,416.00	\$139,104.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	100.00	\$110.00	\$11,000.00	\$120.00	\$12,000.00	(\$1,000.00)
403.4	MATERIAL TRANSFER VEHICLE (MTV)	TON	32,166.00	\$2.00	\$64,332.00	\$1.50	\$48,249.00	\$16,083.00
403.6	PAVEMENT JOINT ADHESIVE	LF	139,495.00	\$0.22	\$30,688.90	\$0.22	\$30,688.90	\$0.00
410.22	ASPHALT EMULSION FOR TACK COAT	GAL	18,269.40	\$3.00	\$54,808.20	\$2.50	\$45,673.50	\$9,134.70

## Items

411.1	HOT BITUMINOUS CONCRETE LEVELING COURSE	TON	200.00	\$75.00	\$15,000.00	\$80.00	\$16,000.00	(\$1,000.00)
417.	COLD PLANING BITUMINOUS SURFACES	SY	313,360.00	\$1.50	\$470,040.00	\$1.50	\$470,040.00	\$0.00
417.416	RUMBLE STRIPS, 16" WIDE	LF	119,306.00	\$0.25	\$29,826.50	\$0.25	\$29,826.50	\$0.00
417.53	REMOVE AND INLAY EXISTING RUMBLE STRIPS	LF	119,306.00	\$1.75	\$208,785.50	\$1.25	\$149,132.50	\$59,653.00
417.54	REMOVE AND INLAY LONGITUDINAL CRACKS	LF	12,000.00	\$3.00	\$36,000.00	\$2.65	\$31,800.00	\$4,200.00
559.4	ASPHALTIC PLUG EXPANSION JOINT (F)	LF	282.00	\$110.00	\$31,020.00	\$200.00	\$56,400.00	(\$25,380.00)
603.82118	18" PE PIPE (TYPE C)	LF	100.00	\$80.00	\$8,000.00	\$30.00	\$3,000.00	\$5,000.00
604.0007	POLYETHYLENE LINER	EA	50.00	\$110.00	\$5,500.00	\$110.00	\$5,500.00	\$0.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	118.00	\$350.00	\$41,300.00	\$350.00	\$41,300.00	\$0.00
604.71	GRATES & FRAMES, TYPE A	EA	20.00	\$600.00	\$12,000.00	\$750.00	\$15,000.00	(\$3,000.00)
608.2401	4" CONCRETE SIDEWALK	SY	100.00	\$40.00	\$4,000.00	\$50.00	\$5,000.00	(\$1,000.00)
608.2601	6" CONCRETE SIDEWALK	SY	100.00	\$50.00	\$5,000.00	\$55.00	\$5,500.00	(\$500.00)
608.54	DETECTABLE WARNING DEVICES, CAST IRON	SY	7.00	\$425.00	\$2,975.00	\$431.43	\$3,020.01	(\$45.01)
609.216	STRAIGHT GRANITE SLOPE CURB 6" HIGH	LF	500.00	\$20.00	\$10,000.00	\$19.50	\$9,750.00	\$250.00
609.5	RESET GRANITE CURB	LF	2,100.00	\$8.00	\$16,800.00	\$10.00	\$21,000.00	(\$4,200.00)
616.650	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 50 FT	EA	21.00	\$950.00	\$19,950.00	\$1,066.67	\$22,400.07	(\$2,450.07)
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	100,000.00	\$1.00	\$100,000.00	\$1.00	\$100,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$75,000.00	\$75,000.00	\$50,000.00	\$50,000.00	\$25,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	2.00	\$2,000.00	\$4,000.00	\$2,000.00	\$4,000.00	\$0.00
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.00	\$1,500.00	\$3,000.00	\$1,500.00	\$3,000.00	\$0.00
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	U	2.00	\$5,000.00	\$10,000.00	\$6,500.00	\$13,000.00	(\$3,000.00)
621.3112	SINGLE LARGE DELINEATOR WITH POST	EA	400.00	\$57.00	\$22,800.00	\$50.00	\$20,000.00	\$2,800.00
625.001	LED RETROFIT	EA	20.00	\$700.00	\$14,000.00	\$550.00	\$11,000.00	\$3,000.00

628.2	SAWED BITUMINOUS PAVEMENT	LF	500.00	\$2.00	\$1,000.00	\$1.00	\$500.00	\$500.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	194,314.00	\$0.15	\$29,147.10	\$0.14	\$27,203.96	\$1,943.14
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I, (REMOVABLE) 4" LINE	LF	6,200.00	\$1.00	\$6,200.00	\$1.25	\$7,750.00	(\$1,550.00)
632.3106	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 6" LINE	LF	164.00	\$0.85	\$139.40	\$2.50	\$410.00	(\$270.60)
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	15,766.00	\$2.55	\$40,203.30	\$2.00	\$31,532.00	\$8,671.30
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	240.00	\$3.80	\$912.00	\$4.91	\$1,178.40	(\$266.40)
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	1,090.00	\$5.25	\$5,722.50	\$8.26	\$9,003.40	(\$3,280.90)
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	124.00	\$1.00	\$124.00	\$0.60	\$74.40	\$49.60
632.92	OBLITERATE PAVEMENT MARKING, SYMBOL OR WORD	SF	530.00	\$1.15	\$609.50	\$8.00	\$4,240.00	(\$3,630.50)
645.611	BONDED FIBER MATRIX (BFM)	LB	500.00	\$2.00	\$1,000.00	\$1.20	\$600.00	\$400.00
646.2	TURF ESTABLISHMENT WITHOUT MULCH	A	.10	\$5,000.00	\$500.00	\$1,100.00	\$110.00	\$390.00
647.1	HUMUS	CY	20.00	\$50.00	\$1,000.00	\$43.75	\$875.00	\$125.00
670.911	MOTORIZED CANTILEVERED SLIDING GATE	U	1.00	\$53,000.00	\$53,000.00	\$35,000.00	\$35,000.00	\$18,000.00
692.	MOBILIZATION	U	1.00	\$145,000.00	\$145,000.00	\$100,000.00	\$100,000.00	\$45,000.00
697.31	PROJECT OPERATIONS PLAN	U	1.00	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$500.00
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	1,000.00	\$1.00	\$1,000.00	\$1.00	\$1,000.00	\$0.00
1008.11	ALTERATIONS AND ADDITIONS AS NEEDED - UNANTICIPATED WORK	\$	48,000.00	\$1.00	\$48,000.00	\$1.00	\$48,000.00	\$0.00
1008.251	ALTERATIONS AND ADDITIONS AS NEEDED - TEMPORARY PEDESTRIAN ACCOMMODATIONS	\$	2,000.00	\$1.00	\$2,000.00	\$1.00	\$2,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	81,000.00	\$1.00	\$81,000.00	\$1.00	\$81,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	145,000.00	\$1.00	\$145,000.00	\$1.00	\$145,000.00	\$0.00
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT	\$	115,800.00	\$1.00	\$115,800.00	\$1.00	\$115,800.00	\$0.00

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**Total:** \$4,594,198.90 \$4,239,107.14 \$355,091.76



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/14/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> CROSS INSURANCE - LACONIA 155 Court Street  Laconia NH 03246		<b>CONTACT NAME:</b> Linda Tikkanen, CISR <b>PHONE (A/C No. Ext):</b> (603) 524-2425 <b>FAX (A/C No.):</b> (603) 524-3666 <b>E-MAIL ADDRESS:</b> ltikkanen@crossagency.com	
<b>INSURED</b> CONTINENTAL PAVING, INC. ONE CONTINENTAL DRIVE  LONDONDERRY NH 03053		<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Firemen's Ins. Co. of Washington NAIC # 21784 <b>INSURER B:</b> Acadia Ins Co. 31325 <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES** CERTIFICATE NUMBER: CL1831242299 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Form CG0437 - \$100,000 GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			CPA0013804-34	3/31/2018	3/31/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> MSC90 <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> CA9948			CAA0013801-34	3/31/2018	3/31/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			CUA5295253-11	3/31/2018	3/31/2019	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WPA0013797-35	3/31/2018	3/31/2019	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Job Reference: Manchester-Merrimack 41097  
 The State of NH, Department of Transportation is listed as an additional insured for ongoing operations when required in a written contract.

<b>CERTIFICATE HOLDER</b>  State of New Hampshire Department of Transportation 7 Hazen Drive P.O. Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE L Tikkanen, CISR/LXT <i>Linda Tikkanen</i>
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# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
3/1/2018

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IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> CROSS INSURANCE - LACONIA 155 Court Street  Laconia NH 03246		<b>CONTACT NAME:</b> Linda Tikkanen, CISR <b>PHONE (A/C, No, Ext):</b> (603) 524-2425 <b>FAX (A/C, No):</b> (603) 524-3666 <b>E-MAIL ADDRESS:</b> ltikkanen@crossagency.com	
		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A Acadia Ins Co.	<b>NAIC #</b> 31325
<b>INSURED</b> STATE OF NEW HAMPSHIRE DOT C/O CONTINENTAL PAVING, INC. ONE CONTINENTAL DRIVE LONDONDERRY NH 03053		<b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>	

**COVERAGES** **CERTIFICATE NUMBER: CI183141480** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	COMMERCIAL GENERAL LIABILITY			OCP5342153-10	3/6/2018	3/6/2019	EACH OCCURRENCE	\$ 2,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$
	<input checked="" type="checkbox"/> Owners & Contractors						MED EXP (Any one person)	\$
	<input type="checkbox"/> Protective						PERSONAL & ADV INJURY	\$
GENL AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$ 3,000,000
<input checked="" type="checkbox"/> POLICY	<input type="checkbox"/> PRO-JECT	<input type="checkbox"/> LOC					PRODUCTS - COMP/OP AGG	\$
OTHER:								\$
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$
<input type="checkbox"/>	ANY AUTO						BODILY INJURY (Per person)	\$
<input type="checkbox"/>	ALL OWNED AUTOS	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
<input type="checkbox"/>	HIRED AUTOS	<input type="checkbox"/>	NON-OWNED AUTOS				PROPERTY DAMAGE (Per accident)	\$
								\$
	UMBRELLA LIAB						EACH OCCURRENCE	\$
	EXCESS LIAB						AGGREGATE	\$
	DED		RETENTION \$					\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						PER STATUTE	OTH-ER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		Y/N				E.L. EACH ACCIDENT	\$
	If yes, describe under DESCRIPTION OF OPERATIONS below		N/A				E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Project: Manchester-Merrimack 41097

<b>CERTIFICATE HOLDER</b>  State of New Hampshire Department of Transportation 7 Hazen Drive P.O. Box 483 Concord, NH 03302-0483	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE  L Tikkanen, CISR/LXT <i>Linda Tikkanen</i>
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